

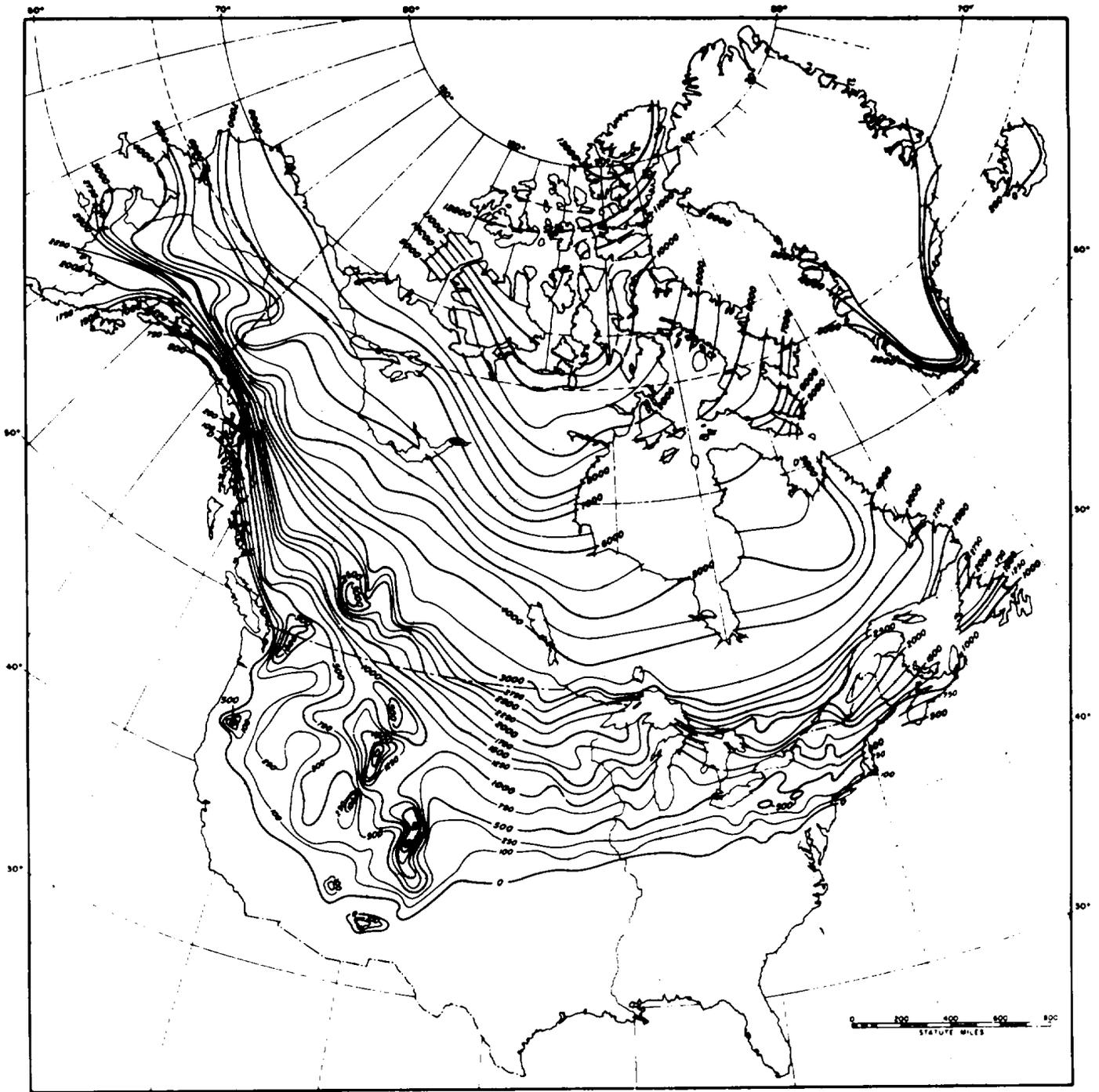
APPENDIX A
GENERAL AIR INDEX INFORMATION FOR NORTH AMERICA AND EURASIA

A-1. The freezing and thawing index data presented here are for general information only and are not sufficiently precise in local detail for use in selecting values to be employed in design at a particular site. Such values should be computed directly from meteorological records of weather observation stations nearest to the proposed site.

A-2. Figure A-1 shows the mean air freezing indexes for North America and northern Eurasia, and figure A-2 shows the mean air thawing indexes. The largest mean air freezing indexes in Siberia, about 12,500 Fahrenheit degree-days, are of the same magnitudes as the largest in North America, about 13,000 Fahrenheit degree-days. On the other hand, air thawing indexes in much of the same coldest areas of Siberia are larger than in northern Canada and Greenland.

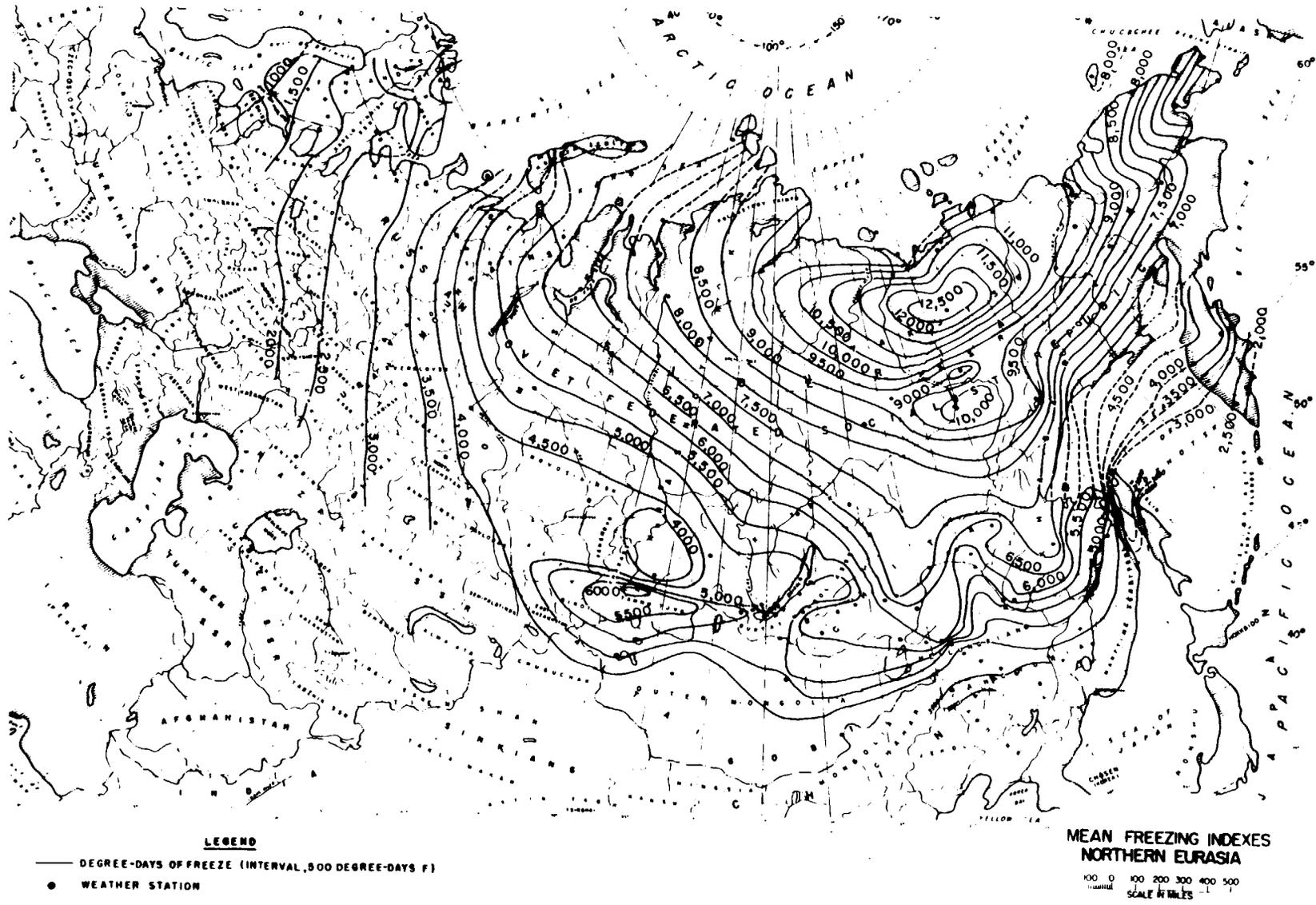
A-3. Figures A-3 and A-4 show design air freezing index and design air thawing index values, in North America, computed for pavement design in accordance with the definitions in paragraphs 1-4c(6) and 1-4c(7).

A-1



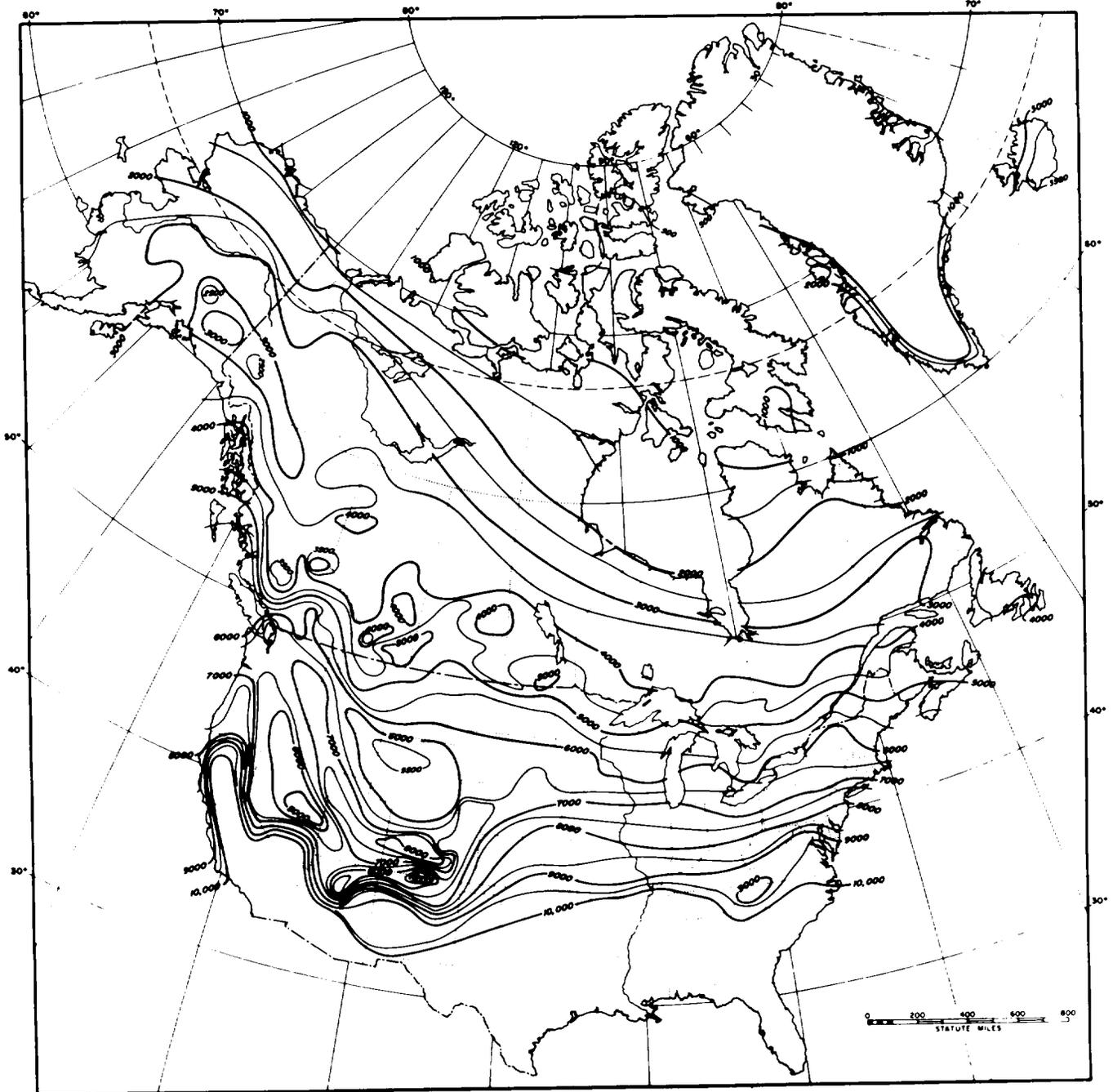
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Figure A-1a. Distribution of mean air freezing indexes ($^{\circ}$ F) - North America.



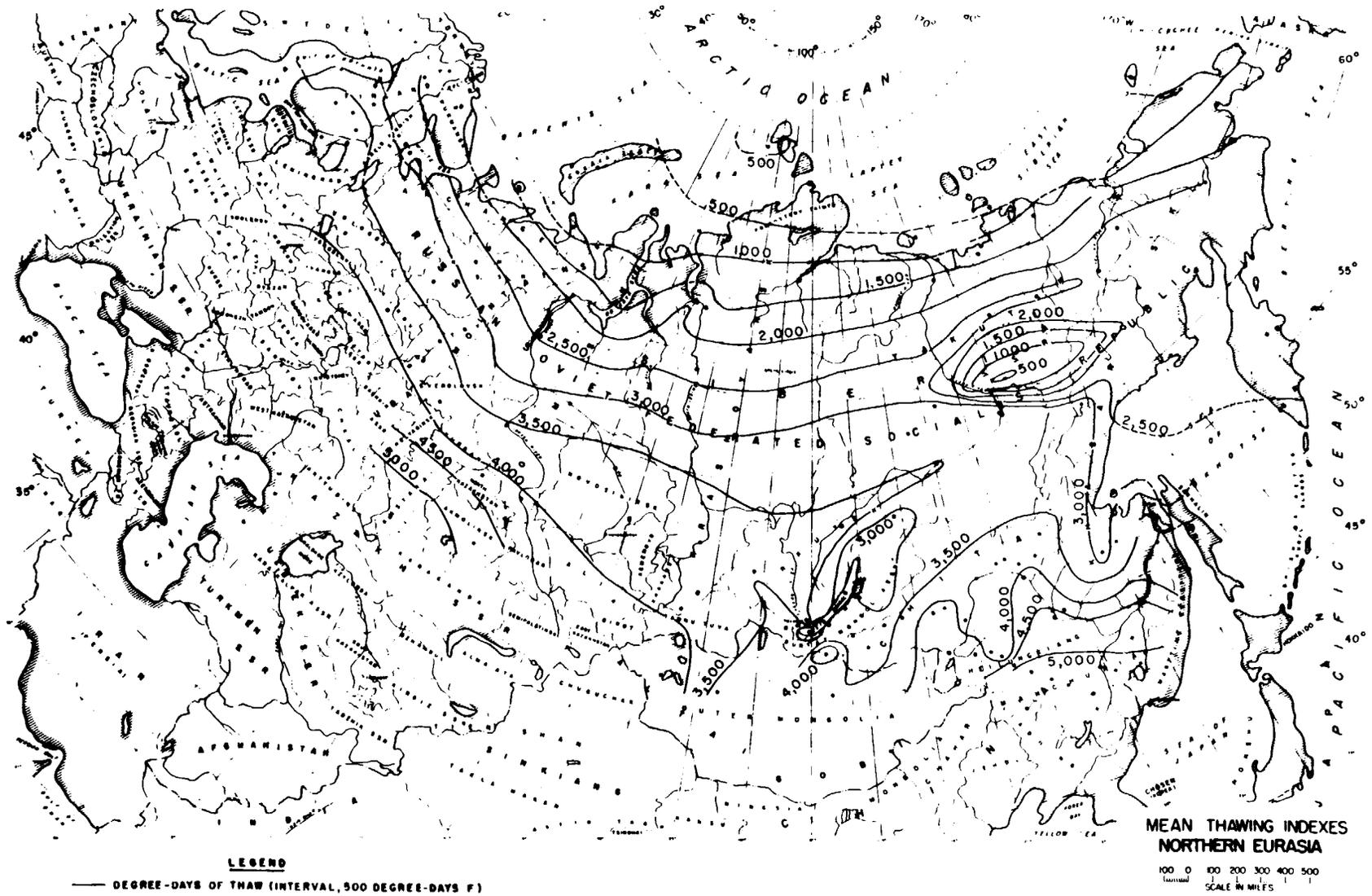
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Figure A-1b. Distribution of mean air freezing indexes ($^{\circ}$ F) - Northern Eurasia.



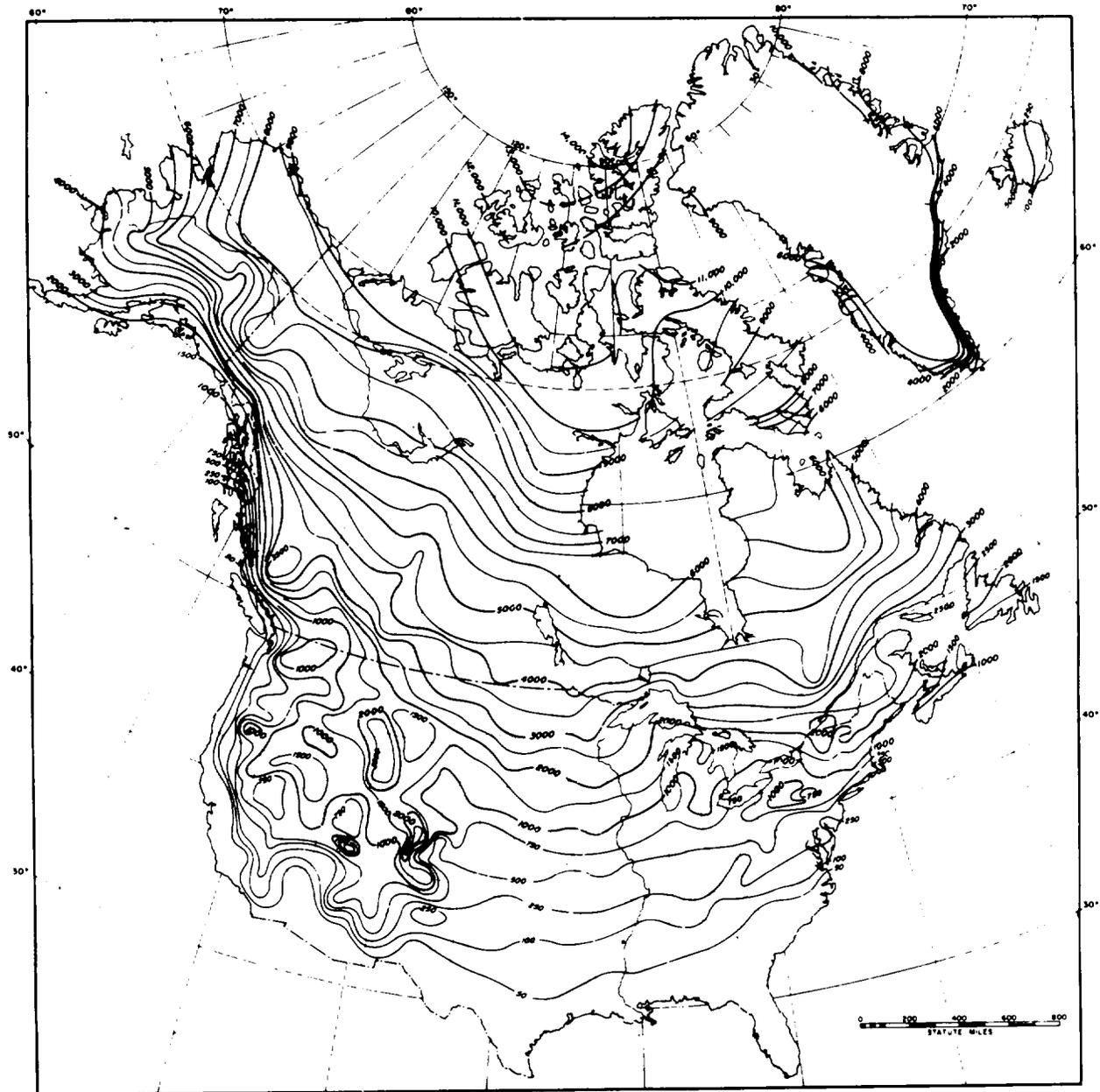
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Figure A-2a. Distribution of mean air thawing indexes ($^{\circ}$ F) - North America.



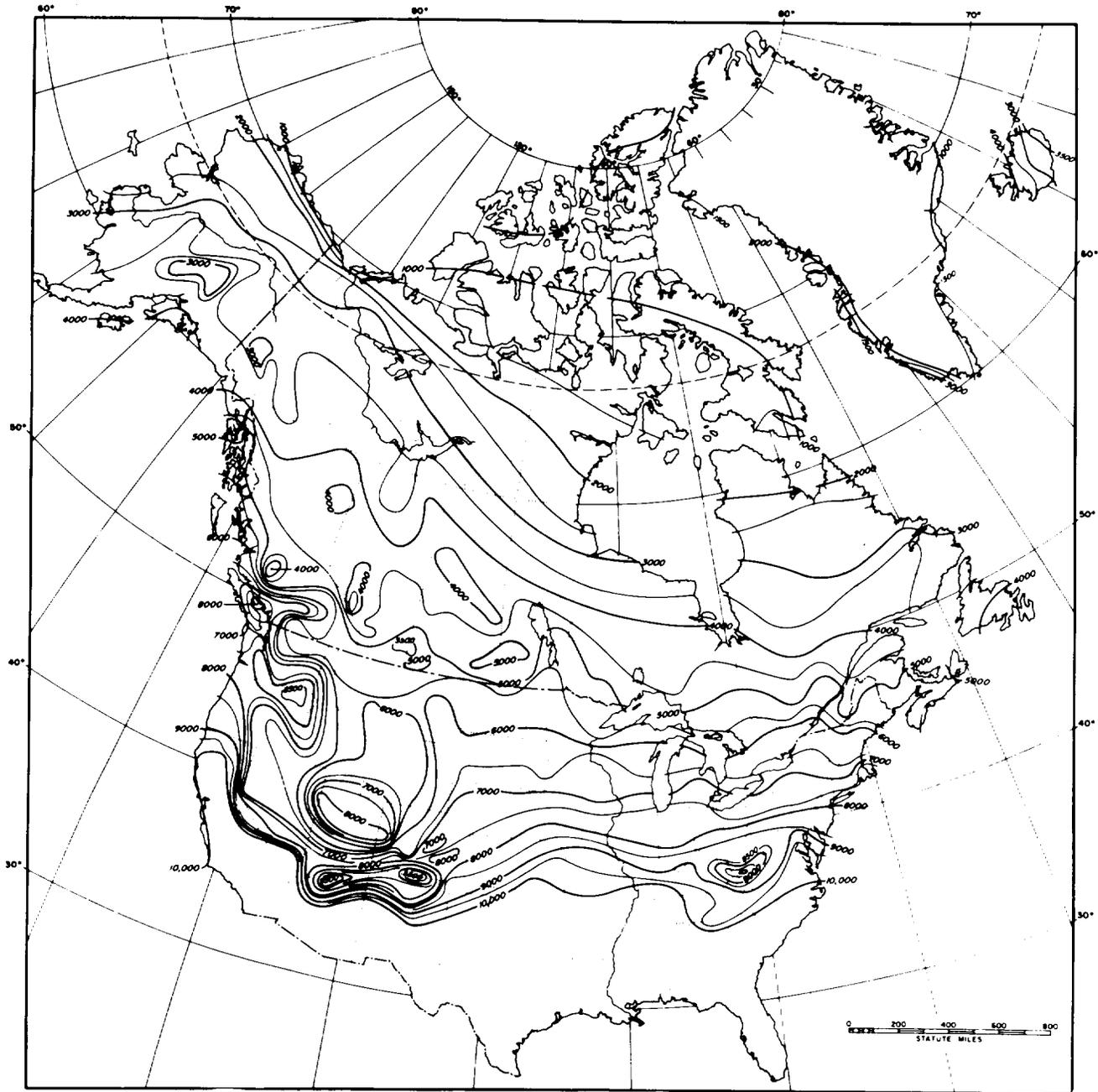
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Figure A-2b. Distribution of mean air thawing indexes (°F) - Northern Eurasia.



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Figure A-3. Distribution of design air freezing index values of pavements in North America ($^{\circ}$ F).



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Figure A-4. Distribution of design air thawing index values for pavements in North America ($^{\circ}$ F).